

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001261**Date Inspected:** 23-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** South tower Lift #1, Bikeway Brackets, Suspender**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Attend to project documentation.

South Tower Lift #1

Base metal surfaces from double diaphragms 18M-28M & 28M-33M only the double diaphragm areas were addressed repairs in process ABF QA verify.

Bikeway Brackets

Repairs to topcoat Interfine 979 on rejected areas by ABF QA Bill Oak due to "cratering" of applied coating ZPMC personnel sanding rejected areas and removing defective finish coating and re-apply Interfine 979. Bracket code numbers: BK001-001, BK001-006, BK001-014.

Suspender Bracket

Suspender bracket code number SB22E Mud cracked areas were re-abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 re-applied to affected repair areas.

Double Diaphragm

Code Number ESD1-135M de-greasing operations in preparation of abrasive blasting operations SSPC SP-1 performed on all base metal surfaces followed by water washing.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative Peng Zili was

---

## SOURCE INSPECTION REPORT

( Continued Page 2 of 2 )

---

available for inspection and consultation.

### Summary of Conversations:

Caltrans QA Lumley inquired as to why ZPMC only addressed one (1) suspender bracket for repairs when there were many which required repairs, ZPMC must mix a full kit of Interzinc 22 to address repairs and is therefore wasting paint material by not assuring a sizeable quantity of surface area for said repairs.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

---